

From: Separation Science <elearning.solutions@sepscience.com>
Sent: Monday, October 01, 2012 1:18 PM
To: Hanchett, James (DPH)
Subject: Today in Separation Science - Latest Issue of HPLC Solutions

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John Dolan's
Update

HPLC Solutions

Issue 102
Acid Wash
Did you ever feel like someone was out to get you? I remember the story one of my Master Class students told about leaving on a vacation. She left instructions with her lab mate to shut down her HPLC system the following morning after all the samples had run but when she returned from vacation two weeks later, she found that all her friend had done was turn off the power. She could hardly see through the bottle of buffer as there was so much junk growing in it.
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Issue 101
Estimating Column Volume
A question that comes up now and then in our Master Classes is how to figure out the volume of an HPLC column. I'd like to share a couple of rules of thumb that I find very useful for estimating column volume, V_0 . Figuring out the volume inside the column isn't much of a challenge if the column is empty.
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Issue 100
Column Regeneration
How do you go about recovering a column that you suspect has some problems? Or perhaps you've pulled a used column off the shelf and want to make sure that it will work OK. Do you just dust it off before trying it, or is there a better approach? This week's HPLC Solutions looks at several aspects of how to best regenerate an HPLC column... and when to give up and dump it in the trash.
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FEATURED APPLICATIONS

Targeted and Non-Targeted Screening for Drugs with High Confidence using the AB SCIEX TripleTOF™ 4600 System and Intuitive Data Processing tools
Company: AB Sciex
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Reducing analysis time and solvent consumption for isocratic USP assay methods with current and proposed USP guidelines using the Agilent 1290 Infinity LC System
Company: Agilent
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Analysis of Triazines Using a Thermo Scientific Accucore XL C8 4 μ m
Company: Thermo Fisher Scientific
[Click to read>>](#)

Advances in Size-Exclusion Chromatography for the Analysis of Small Proteins and Peptides: Evaluation of Calibration Curves for Molecular Weight Estimation
Company: Waters
[Click to read>>](#)

Determination of pesticides by UHPLC-MS
Company: Knauer
[Click to read>>](#)

Fundamentals of HPLC
Dates: October 8-12, 2012
Venue: LIVE ON THE WEB
Are you new to HPLC — or do you supervise new users of HPLC? This on-line course taught by world-class experts is an opportunity to give new users a firm grounding in the fundamentals of HPLC economically and with minimum disruption to work schedules. "Fundamentals of HPLC" is intended for beginning chromatographers. No hands-on LC experience is required, but attendees should have a solid grasp of basic chemistry.
[Click here for further information>>](#)

UPCOMING WEBINARS

Making the Undetectable Detectable — Derivatization in GC Analysis
Presenter: Ruth Lewis
Date: 4th October, 2012
Time: 8:00am PST / 11:00am EST / 4:00pm UK / 5:00pm CET
[Click here>>](#)

How to get Rugged Results in Pesticide Analysis using Triple Quadrupole GC-MS/MS?
Presenter: Dr Katerina Mastovska
Date: 16 October, 2012
Time: 8:00am PST / 11:00am EST / 4:00pm UK / 5:00pm CET
[Click here>>](#)

ASK THE DOCTOR
If you have an analytical question for John Dolan...
[CLICK HERE >>](#)

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